

Claims 1 through 6 (previously withdrawn).

7. (previously amended) A structural panel which consists essentially of a body of a thermoset, cellular urethane, said body being substantially right rectangular parallelepipedal in shape, having opposed major surfaces, and a surface layer of another material chemically and mechanically bonded to at least one of the opposed major surfaces.

Claim 8 (cancelled)

9. (currently amended) A The structural panel as claimed in claim 7 which includes a surface layer of another material chemically and mechanically bonded to both of the opposed major surfaces.

Claim 10 (cancelled).

Claim 11 (cancelled).

Claim 12 (withdrawn pursuant to current election)

Claim 13 (withdrawn as directed to a non-elected species)

Claim 14 (withdrawn pursuant to current election)

15. (Withdrawn, but Currently amended) A structural panel as claimed in claim ~~25~~ 12 which additionally includes a second metal surface which is contoured so that it forms first and second pluralities of parallel, second surface channels having substantially coplanar webs, the webs of said first and second pluralities of parallel channels being vertically offset from one another, each channel of said first plurality being adjacent a channel of said second plurality, and being open on one side of its web while each adjacent channel of said second plurality is open on the opposite side of its web, and a plurality of

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substantially parallel sidewalls, each of which has an edge which is structurally integral with an edge of one of the webs of said first plurality of channels and an opposed edge which is structurally integral with an edge of the web of an adjacent channel of said second plurality, wherein strips of the second of the major surfaces of said body of thermoset cellular urethane are chemically and mechanically bonded to the sides of the webs of said first plurality of second surface channels opposite the integral sidewalls, and said body of thermoset cellular urethane having portions which extend into and fill, and are chemically and mechanically bonded to, each channel of said second plurality of second surface channels which is adjacent a channel of said first plurality that is chemically and mechanically bonded to a strip of the major surface of said body of thermoset cellular urethane.

16 (Withdrawn, but currently amended) A structural panel as claimed in claim 27 15 wherein the first and second channels of said second metal surface extend transversely of the first and second channels of said metal surface.

17. (Withdrawn, but Currently amended) A structural panel as claimed in claim 28 16 wherein the first and second channels of said second metal surface extend substantially at right angles to the first and second channels of said metal surface.

Claim 18 (withdrawn as directed to a non-elected species)

Claim 19 (withdrawn as directed to a non-elected species)

20. (new) An assembly which comprises a body of a thermoset, cellular urethane having a plurality of surfaces, including one which is substantially planar, and a second body which is metal and has a substantially planar surface which abuts and is chemically and mechanically bonded to the planar surface of said cellular urethane body.

21. (new) An assembly as claimed in claim 20 wherein the substantially planar surface of said second body is the web of a channel having sidewalls which are structurally integral

with the web and have opposed free edges, said first body has surfaces which are chemically and mechanically bonded to the interior surfaces of said sidewalls, and said first body fills said channel.

22.(new) An assembly as claimed in claim 21 wherein the sidewalls of said channel are substantially parallel to one another, and extend substantially at right angles to the web of said channel from an edge which is structurally integral with an edge of said web to an opposed free edge.

23. (new) A structure which includes a plurality of assemblies as claimed in claim 22 wherein the webs of said channels are substantially coplanar, and the sidewalls of said channels are of substantially the same height, and are substantially parallel to one another, the distances between each of the sidewalls and the adjacent sidewall, if there is one, of the next assembly being substantially the same, and a web which is structurally integral with the free edge of each of the sidewalls and the free edge of the adjacent sidewall, if there is one.

24. (new) A structure as claimed in claim 23 wherein the body of a thermoset, cellular urethane which fills each of the channels of said structure is a part of a urethane body which has a surface spaced from the webs of said channels and extends from that surface to the web and sidewalls of each of said channels.

25. (new) A structural assembly which comprises first and second structures as claimed in claim 24 positioned so that the webs of said structures are substantially parallel to one another, but the webs of one extend transversely relative to the webs of the other, wherein the body of a thermoset urethane which fills each of the channels of the first of said structures is a part of the body of a thermoset urethane which fills each of the channels of the second of said structures.